

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES

In the Matter of

Application of Kent County Department
of Public Works for renewal of solid
waste disposal area license for the
Plainfield Landfill located at
2908 Ten Mile Road, Plainfield Township



AGREEMENT

This agreement is between the Michigan Department of Natural Resources (hereinafter referred to as the Department) and the Kent County Department of Public Works, Owner of the Plainfield Landfill (hereinafter referred to as the Owner).

Whereas, the Owner has operated a solid waste disposal area licensed under the provisions of Act 87, P.A. 1965, as amended, and

Whereas, Owner has applied for a renewal of its license for its solid waste disposal area, and

Whereas the staff of the Department, based on consultations with the Owner, inspections, and on-site evaluations has concluded that certain modifications in design and operation are essential to the proper operation of the site and are necessary to prevent unlawful pollution of the waters of the state and to maintain the integrity of the landfill, and

Whereas, the modifications proposed by the Department have been reviewed with the Owner, and the Owner has agreed to comply with the modifications, and the parties wish to set forth the modifications as conditions of the renewal license,

Now, therefore, the Owner and Department hereby and herewith agree as follows:

1. The proposed design for the construction of the required dewatering system to facilitate lowering and permanent maintenance of the water table at least 7' (seven feet) below the bottom of refuse cells 16, 17, and 18 shall be submitted for review and approval to the Resource Recovery Division prior to March 15, 1979.

2. The construction and installation of the dewatering system for cells 16, 17, and 18 shall be completed within 120 days following written approval of submitted plans. The Owner shall make a good faith effort to connect the dewatering system for cells 16, 17, and 18 to the existing discharge systems.

3. The groundwater dewatering devices installed below the cell liners that discharge into the north-south leachate collection system shall be sealed within 30 days of completion of the dewatering system to serve cells 16, 17, and 18 referred to in paragraph 2.

4. The lowest section, or that part of the leachate collection manholes which are below the P.V.C. liner, shall be cleaned of all debris and sealed to eliminate the possibility of leachate from entering the groundwater and/or groundwater elimination system within 90 days following written approval of the plans submitted under paragraph 1. The access pipe for the dewatering devices installed below some of the cells shall remain unobstructed until the dewatering system for cells 16, 17, and 18 is installed. Engineering plans shall be submitted for review and approval to the Resource Recovery Division prior to February 1, 1979 depicting the method of sealing a typical manhole.

5. The leachate storage pond located on-site shall be lined with reinforced hypalon within 120 days following written approval of submitted plans hereafter described. Engineering plans shall be submitted for review to the Resource Recovery Division depicting the method of sealing between the liner and leachate access pipe prior to February 1, 1979. The integrity of the hypalon liner shall be maintained.

6. Within 30 days after the execution of this agreement by the parties, the Owner shall submit a written contingency plan for handling leachate by connection to a public sanitary sewer system.

7. Based on the permanently established piezometric surface of the shallow aquifer, a maximum of four additional wells in the down gradient direction shall be installed for the long-range monitoring program. Plans shall be submitted depicting the proposed locations and depths of additional monitoring wells in the down gradient direction of groundwater flow prior to February 1, 1979. (Department staff will assist in determining suitable locations.)

8. The Kent County Board of Public Works shall establish a quarterly groundwater sampling program utilizing existing and new wells to be designated by the Resource Recovery Division. This program shall include static level recording and monitoring of the following routine parameters: COD, iron, Cl, total dissolved solids, sulfate, pH, nitrate nitrogen, ammonia nitrogen, and total organic carbons. The quarterly program shall be supplemented on an annual basis with the monitoring of the following parameters: specific conductance, calcium, sodium, magnesium, potassium, lead, zinc, chrome, calcium carbonate (as hardness), and nitrites.

The annual sampling program shall be continued until all monitoring wells are installed and results are evaluated by the DNR, after which a determination on the continued parameters and sampling periods will be re-established.

9. A complete set of engineering plans showing all construction to January 1, 1979 shall be developed, certified, and submitted to the Resource Recovery Division prior to April 30, 1979.

10. The Owner shall notify the Resource Recovery Division at least two days prior to the placement of clay and P.V.C. liners, and other phases of construction included within this agreement.

11. The Department agrees that whenever plans or other documents are submitted to it by the Owner for Department review and approval, the Department shall issue its written approval or rejection within three weeks from date of delivery by the Owner.

12. It is the Departments position that the license issued pursuant to the terms of this Agreement does not constitute a finding that the Owner has demonstrated compliance with the provisions of 1978 PA 641, which act was signed into law by the Governor on January 11, 1979 and repeals 1965 PA 87. It is further the Departments position that any subsequent application for license renewal will be reviewed under the provisions of 1978 PA 641 and the rules promulgated thereunder.

13. For purposes of this Agreement, delivery of plans or other documents to the Resource Recovery Division may be made by delivery to:

Department of Natural Resources
Resource Recovery Division
State Capitol Building

This agreement, which will become a part of the renewal license for 1979, is entered into in lieu of administrative hearings or other remedies and the Owner and the Department agree to be bound by the schedules and conditions contained herein. A violation of any date or condition specified herein is a breach of this agreement and is subject to administrative or civil proceedings.

Approved As to Form:

KENT COUNTY DEPARTMENT OF
PUBLIC WORKS

John A. Dewitt
Attorney, Kent County Department of Public Works

Dated: 1/31/79

Richard B. Smith
Chairman, Kent County Board of Public Works

Dated: Jan. 31, 1979

Approved As to Form:

DEPARTMENT OF NATURAL RESOURCES

Frank J. Pigg
Assistant Attorney General
Department of Attorney General

Dated: 2-16-79

Howard A. Tanner
Howard A. Tanner, Director

Dated: 2-28-79